

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2015 Levee Inspection Results****Reclamation District No. 2091 Chase**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 2091 Chase

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	7.46
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/26/2015 - 05/26/2015			
DWR Inspector	Richard Willoughby			
Accompanied By	Mike Alves RD 2091			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	05/26/2015 05/26/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_RD2091_01_s _ 2013_2				
Action/Comments					
Inspector Comments: The LMA has copy of O & M manual on file at district office.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment				°	°
					°	°
DWR ID	DWR_RD2091_01_s _ 2013_4					
Action/Comments						
Inspector Comments: The LMA maintains adequate flood fight supplies and equipment.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	°
					°	°
DWR ID	DWR_RD2091_01_s _ 2013_5					
Action/Comments						
Inspector Comments: The LMA maintains flood readiness.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	05/26/2015 05/26/2015	Richard Willoughby

LM Start	0.00	Rating **	A	Issue No.	12
LM End	7.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				o
					o
DWR ID	DWR_RD2091_01_s_2015_12				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD2091_318_12_20150527_00009.jpg



Looking at typical view of landward slope.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	7.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation				o
					o
DWR ID	DWR_RD2091_01_s_2015_13				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : SP_2015_RD2091_318_13_20150527_00010.jpg



Looking south at typical view of waterward slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	05/26/2015 05/26/2015	Richard Willoughby

LM Start	0.07	Rating **	M	Issue No.	55
LM End	0.07	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.541970 °	37.541970 °
				-121.093980 °	-121.093980 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43207					
DS_ID:23155					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 7.2 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope. Originally included in the 1961 O&M manual. As built drawings available, Drawing # 07-04-1555: 1555/17 & 1555/55, 906+85.					
FS Date: 01/29/2015					

No Photos

LM Start	0.10	Rating **	U	Issue No.	56
LM End	0.10	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.542030 °	37.542030 °
				-121.094370 °	-121.094370 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43204 DS_ID:23156 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe open on WS and slide gate has been removed. Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 9.0 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Originally included in the 1961 O&M manual. As built drawings available, Drawing # 07-04-1555: 1555/17 & 1555/55, 907+55. FS Date: 01/29/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	05/26/2015 05/26/2015	Richard Willoughby

LM Start	0.23	Rating **	U	Issue No.	57
LM End	0.23	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.541564 °	37.541564 °
				-121.096792 °	-121.096792 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43205					
DS_ID:23158					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Flap gate has fallen off at WS toe. Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 10.0 feet below crown. Flap gate on the waterward end. Drain opening 15 feet off landward toe. Originally included in the 1961 O&M manual. As built drawings available, Drawing # 07-04-1555: 1555/17 & 1555/55, 915+00.					
FS Date: 01/29/2015					

No Photos

LM Start	0.64	Rating **	U	Issue No.	58
LM End	0.64	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.541220 °	37.541220 °
				-121.103880 °	-121.103880 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43208 DS_ID:23161 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 12.0 feet below crown. Flap gate on the waterward end. Concrete headwall on WS toe. Originally included in the 1961 O&M manual. FS Date: 01/29/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	05/26/2015 05/26/2015	Richard Willoughby

LM Start	2.23	Rating **	A/W	Issue No.	54
LM End	2.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control				°
					°
DWR ID	DWR_RD2091_01_s_2012_54				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	4.14	Rating **	A/W	Issue No.	1
LM End	4.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.503555 °	37.503555 °
				-121.081932 °	-121.081932 °
DWR ID	DWR_RD2091_01_s_2012_1				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	4.67	Rating **	M	Issue No.	59
LM End	4.67	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.497390 °	37.497390 °
				-121.080370 °	-121.080370 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43209 DS_ID:23165 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 36-inch corrugated metal pipe through levee 15.0 feet below crown. Abandoned concrete inlet box on the waterward slope of levee. 6'X5' Concrete distribution box at the landward toe. Originally included in the 1961 O&M manual. FS Date: 01/29/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	05/26/2015 05/26/2015	Richard Willoughby

LM Start	5.66	Rating **	M	Issue No.	11
LM End	5.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.486090 °	37.485839 °
				-121.067612 °	-121.067357 °
DWR ID	DWR_RD2091_01_s_2015_11				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Several rodent holes noted at the base of the tree on the landward toe.					

Photo 1 of 1 : SP_2015_RD2091_318_11_20150527_00008.jpg



Looking at typical view of rodent holes on the landward slope and toe.

LM Start	6.31	Rating **	M	Issue No.	60
LM End	6.31	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.486060 °	37.486060 °
				-121.058790 °	-121.058790 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43221 DS_ID:23166 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: FIELD_STRUCT_DESC: *Removed* 36-inch corrugated metal pipe through levee 15.0 feet below crown. Slide gate in corrugated metal pipe riser on the waterward slope. Concrete distribution box at the landward toe. Slide gate on the landward end. Concrete standpipe on the waterward berm. Pump on pile stream. Originally included in the 1961 O&M manual. Pipe removed under Permit No. 4421. Design drawings available in Permit No. 4421. FS Date: 01/29/2015					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.46	05/26/2015 05/26/2015	Richard Willoughby

LM Start	7.55	Rating **	U	Issue No.	8
LM End	7.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD2091_01_f_2013_8				
Action/Comments					
Ditch					
Inspector Comments: Ditch has been in place for several years. Ditch is 10' to 15' from the landward toe and is 15" to 20' deep.					

Photo 1 of 2 : SP_2015_RD2091_318_8_20150309_00001.jpg



Looking east at drainage ditch at landward toe.

LM Start	7.55	Rating **	U	Issue No.	8 (cont)
LM End	7.55	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD2091_318_8_20150309_00002.jpg



Looking southeast at drainage ditch at landward toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 2091 Chase

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River				0.31
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	05/26/2015 - 05/26/2015			
DWR Inspector	Richard Willoughby			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	05/26/2015 05/26/2015	Richard Willoughby

LM Start	0.02	Rating **	U	Issue No.	15
LM End	0.02	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.482450 °	37.482450 °
				-121.051220 °	-121.051220 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43206 DS_ID:23175 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate rusted in-place and does not function. In closed position. FIELD_STRUCT_DESC: 24-inch corrugated metal drain pipe through levee 16.4-feet below the crown. Flap gate on the waterward toe. FS Date: 01/29/2015					

No Photos

LM Start	0.03	Rating **	M	Issue No.	1
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.482523 °	37.482523 °
				-121.051103 °	-121.051103 °
DWR ID	DWR_RD2091_02_s_2012_1				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

LM Start	0.03	Rating **	M	Issue No.	1 (cont)
LM End	0.03	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SP_2015_RD2091_319_1_20150309_00001.jpg



Looking east at untrimmed trees on waterward slope. (Fall 2014)

Photo 2 of 2 : SP_2015_RD2091_319_1_20150309_00002.jpg



Looking east at untrimmed tree on waterward slope. (Spring 2014)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	05/26/2015 05/26/2015	Richard Willoughby

LM Start	0.05	Rating **	M	Issue No.	2
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.482815 °	37.483306 °
				-121.050849 °	-121.050302 °
DWR ID	DWR_RD2091_02_f_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control tumble weeds on landward slope.					

Photo 1 of 1 : SP_2015_RD2091_319_2_20150309_00003.jpg



Looking north at tumble weeds on landward slope.

LM Start	0.06	Rating **	M	Issue No.	12
LM End	0.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.482844 °	37.482844 °
				-121.050816 °	-121.050816 °
DWR ID	DWR_RD2091_02_s_2014_12				
Action/Comments					
Retaining Wall					
Inspector Comments: Concrete foundation on landward toe.					

Photo 1 of 1 : SP_2015_RD2091_319_12_20150309_00011.jpg



Looking west at concrete foundation/retaining wall at landward toe.

LM Start	0.18	Rating **	M	Issue No.	3
LM End	0.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.484342 °	37.484342 °
				-121.049848 °	-121.049848 °
DWR ID	DWR_RD2091_02_f_2012_3				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP_2015_RD2091_319_3_20150309_00004.jpg



Looking north at untrimmed tree on waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	05/26/2015 05/26/2015	Richard Willoughby

LM Start	0.20	Rating **	M	Issue No.	8
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.484565 °	37.485283 °
				-121.049980 °	-121.050252 °
DWR ID	DWR_RD2091_02_f_2013_8				
Action/Comments					
Equipment					
Inspector Comments: Several items stored at landward toe.					

Photo 1 of 2 : SP_2015_RD2091_319_8_20150309_00009.jpg



Looking north at several items at landward toe.

LM Start	0.20	Rating **	M	Issue No.	8 (cont)
LM End	0.25	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2015_RD2091_319_8_20150309_00010.jpg



Looking northeast at storage containers and abandoned vehicle at landward toe.

LM Start	0.20	Rating **	M	Issue No.	6		
LM End	0.20	Issue Type +	En	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Encroachments				°		°
					°		°
DWR ID	DWR_RD2091_02_f_2013_6						
Action/Comments							
Retaining Wall							
Inspector Comments: Retaining walls have been in place for several years.							

Photo 1 of 2 : SP_2015_RD2091_319_6_20150309_00006.jpg



Looking northeast at retaining walls within the City of Modesto shooting range on landward slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	05/26/2015 05/26/2015	Richard Willoughby

LM Start	0.20	Rating **	M	Issue No.	6 (cont)		
LM End	0.20	Issue Type +	En	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Encroachments				°		°
					°		°
DWR ID	DWR_RD2091_02_f_2013_6						
Action/Comments							
Retaining Wall							
Inspector Comments: Retaining walls have been in place for several years.							

Photo 2 of 2 : SP_2015_RD2091_319_6_20150309_00007.jpg



Looking east at retaining walls on landward toe.

LM Start	0.23	Rating **	M	Issue No.	14
LM End	0.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.484917 °	37.485418 °
				-121.050224 °	-121.049933 °
DWR ID	DWR_RD2091_02_s_2014_14				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Control trees on waterward slope.					

Photo 1 of 1 : SP_2015_RD2091_319_14_20150527_00013.jpg



Looking northeast at untrimmed tree on waterward slope.

LM Start	0.25	Rating **	M	Issue No.	7
LM End	0.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments				°
					°
DWR ID	DWR_RD2091_02_f_2013_7				
Action/Comments					
Tank					
Inspector Comments: Water tank has been in place for several years.					

Photo 1 of 1 : SP_2015_RD2091_319_7_20150309_00008.jpg



Looking west at water tank on landward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2091 Chase

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River		0.31	05/26/2015 05/26/2015	Richard Willoughby

LM Start	0.28	Rating **	M	Issue No.	4
LM End	0.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.485447 °	37.485447 °
				-121.049750 °	-121.049750 °
DWR ID	DWR_RD2091_02_f_2012_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP_2015_RD2091_319_4_20150309_00005.jpg



Looking east at trimmed trees on landside slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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